

WHAT IS CLAIMED IS:

1 1. A multimedia signal processing apparatus comprising:
2 a communication service unit having a plurality of types
3 of signal processing modes corresponding to a plurality of types
4 of communication service classifications;
5 communication service classification identifying means
6 for identifying, on the basis of signal processing request
7 information on one call communicated from a higher-rank node,
8 a communication service classification for said call; and
9 mode control means for controlling a signal processing
10 mode of said communication service unit to a mode suitable for
11 the communication service classification identified in said
12 communication service classification identifying means.

1 2. A multimedia signal processing apparatus according to
2 claim 1, wherein said mode control means comprises external
3 indication type mode control section for controlling said signal
4 processing mode of said communication service unit in accordance
5 with a mode setting instruction from an external device.

1 3. A multimedia signal processing apparatus according to
2 claim 1, wherein said mode control means includes:
3 history information managing section for managing
4 history information on mode control implemented in the past;
5 and
6 prediction type mode control section for predictively

7 controlling said signal processing mode of said communication
8 service unit on the basis of said history information.

1 4. A multimedia signal processing apparatus according to
2 claim 3, wherein said prediction type mode control section
3 includes time factor mode controller for controlling said mode
4 of said communication service unit to a mode corresponding to
5 mode setting information at a specified time on the basis of
6 time information based on said history information and said
7 mode setting information.

1 5. A multimedia signal processing apparatus according to
2 claim 1, wherein said communication service unit includes:
3 storage means for storing a plurality of types of
4 communication service control programs corresponding to said
5 plurality of types of communication service classifications;
6 and
7 mode selection control means for controlling its own
8 signal processing mode by loading selectively with a
9 corresponding communication service control program from said
10 storage means in accordance with a signal processing mode control
11 indication from said mode control means.

1 6. A multimedia signal processing apparatus according to
2 claim 2, wherein said communication service unit includes:
3 storage means for storing a plurality of types of
4 communication service control programs corresponding to said

5 plurality of types of communication service classifications;
6 and
7 mode selection control means for controlling its own
8 signal processing mode by loading selectively with a
9 corresponding communication service control program from said
10 storagemeansinaccordancewithasignalprocessingmodecontrol
11 indication from said mode control means.

1 7. A multimedia signal processing apparatus according to
2 claim 3, wherein said communication service unit includes:
3 storage means for storing a plurality of types of
4 communication service control programs corresponding to said
5 plurality of types of communication service classifications;
6 and
7 mode selection control means for controlling its own
8 signal processing mode by loading selectively with a
9 corresponding communication service control program from said
10 storagemeansinaccordancewithasignalprocessingmodecontrol
11 indication from said mode control means.

1 8. A multimedia signal processing apparatus according to
2 claim 4, wherein said communication service unit includes:
3 storage means for storing a plurality of types of
4 communication service control programs corresponding to said
5 plurality of types of communication service classifications;
6 and
7 mode selection control means for controlling its own

8 signal processing mode by loading selectively with a
9 corresponding communication service control program from said
10 storage means in accordance with a signal processing mode control
11 indication from said mode control means.

TABLE 1